



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

November 30, 2020

Beth Mitchell
Regulatory Consultant for Premier Horticulture Inc.
TSG Consulting
1150 18th Street NW, Suite 1000
Washington, DC 20036

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling and Formulation Amendment – Revision to the Basic Confidential Statement of Formula (CSF) to the Registration, and Revision to the Active Ingredient Name, Minimum Spore Count, Directions for Use, Company Information, Product Description and Additional Alternate Brand Name on the Labeling
Product Name: GHA180 Biological Fungicide
EPA Registration Number: 74267-2
Application Date: 10/07/2019
Action Case Number: 00074869

Dear Ms. Mitchell:

The amended labeling and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable.

The alternate brand name PTB180-L1-BF has been added to the registration, and our records have been updated accordingly. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following acceptable CSF:

- Basic CSF dated 10/07/2019

Any CSFs other than that listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling

or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Susanne Cerrelli by phone at (703) 308-8077 or via email at cerrelli.susanne@epa.gov.

Sincerely,



Susanne Cerrelli, Review Manager
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

GHA 180 Biological Fungicide

An aqueous suspension for protected growing environment use (e.g. greenhouses or contained nurseries)

(Alternate brand names: GHA 180, PRO-MIX® PUR™ BIOFUNGICIDE™ LIQUID, and PTB180-L1-BF)

GHA 180 Biological Fungicide contains *Bacillus pumilus* bacteria that colonize developing root systems and suppress disease-causing organisms, such as *Pythium*, *Fusarium* and *Rhizoctonia*, and certain labeled insect pests, such as fungus gnats that attack root systems and thrips that pupate into the growing medium or in soil underneath benches. As the root system develops, the bacteria grow within the rhizosphere and extend the protection throughout the growing season. As a result, a vigorous root system is established, which results in more uniform plant stands after transplanting.

GHA 180 Biological Fungicide is most effective when used as a preventive treatment.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See First Aid and Additional Precautionary Statements on Back Panel

ACTIVE INGREDIENT:

Bacillus pumilus strain PTB180†0.37 %

OTHER INGREDIENTS.....99.63 %

Total.....100.00 %

*Contains a minimum of 3×10^9 viable spores/ml of active ingredient
(1.13×10^{13} viable spores/gallon of active ingredient)

† Antecedent *Bacillus pumilus* strain GHA180

EPA Reg. No. 74267-2

EPA Establishment No. 74267-CA-001

ACCEPTED

Nov 30, 2020

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 74267-2

Lot number: XXXXXXXX
Expiration date: XXXXXXXX



MANUFACTURED FOR AND
GUARANTEED BY:
PREMIER HORTICULTURE INC.
200 Kelly Rd, Unit E-1
Quakertown, PA 18951 USA

MANUFACTURED BY:
PREMIER TECH BIOTECHNOLOGIES
1 avenue Premier
Rivière-du-Loup (Québec)
G5R 6C1 CANADA

NET CONTENTS: 32 fl. oz. to 5 gallons (0.95 l to 18.9 l)

FIRST AID

If in Eyes

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For non-emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: www.npic.orst.edu). For emergencies, call your local poison control center at 1-800-222-1222.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals. CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear:

- Protective eyewear
- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air- purifying respirator with an HE filter. (Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.)

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

Environmental Hazards: For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Do not apply this product through any type of irrigation system.

Important: GHA 180 Biological Fungicide is for use in protected growing environments only (e.g. glasshouses or greenhouses) and is not for use in non-protected environments (e.g. non-contained nurseries or slat houses).

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry into treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water) is:

- Protective eyewear
- Coveralls
- Waterproof gloves
- Shoes plus socks

GHA 180 Biological Fungicide must be diluted with water before incorporation into peat moss, peat-based growing media, soil-based growing media, fertilizer and coco. Mix 2 ½ teaspoons (0.42 fl. oz.) of GHA 180 Biological Fungicide with 2 to 5 gallons of water and then apply the mixture uniformly into 1 cubic yard of loose peat moss or growing media. Do not store the mixture for longer than 24 hours.

Important: GHA 180 Biological Fungicide can be applied to sterilized or fumigated soil but **MUST BE APPLIED AFTER STERILIZATION OR FUMIGATION.**

FOR USE AS A SOIL DRENCH APPLICATION IN PROTECTED GROWING ENVIRONMENTS

Use GHA 180 Biological Fungicide on ornamentals, annual and perennial flowers, bedding plants, vegetable transplants, foliage plants, ground covers, deciduous trees or shrubs that are container-, bench- or bed-grown in protected growing environments (e.g. greenhouses or enclosed nurseries). Apply as a drench or spray directly to the growing media. Make applications during or after seeding, sticking of cuttings or transplanting. Thoroughly soak the growing media through the root zone.

Mix 2.3 fl. oz. of GHA 180 Biological Fungicide with 100 gallons of water. Apply mixture to container-, bench- or bed-grown plants, according to the specifications below (during seeding, sticking of cuttings or transplanting and re-treat at 20-day intervals if additional applications are necessary).

GHA 180 Biological Fungicide Drench for Bed- and Bench-Grown Plants	
Soil depth (inches)	Sq. ft. of soil/100 gallons of mixture
≤ 3"	580
> 3" to 6"	290
> 6" to 12"	145

GHA 180 Biological Fungicide Drench for Container-Grown Plants		
Pot diameter (inches)	Minimum drench volume (fl. oz. of mixture/pot)	Number of pots/100 gallons of mixture
4"	2	7447
6"	5	2979
8"	13	1146
10"	22	677
12"	44	339

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store at ambient temperature: 64 to 77°F (18 to 25°C). Do not expose to direct sunlight. Store in original containers only. Keep container closed when not in use.

PESTICIDE DISPOSAL: To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Product of Canada